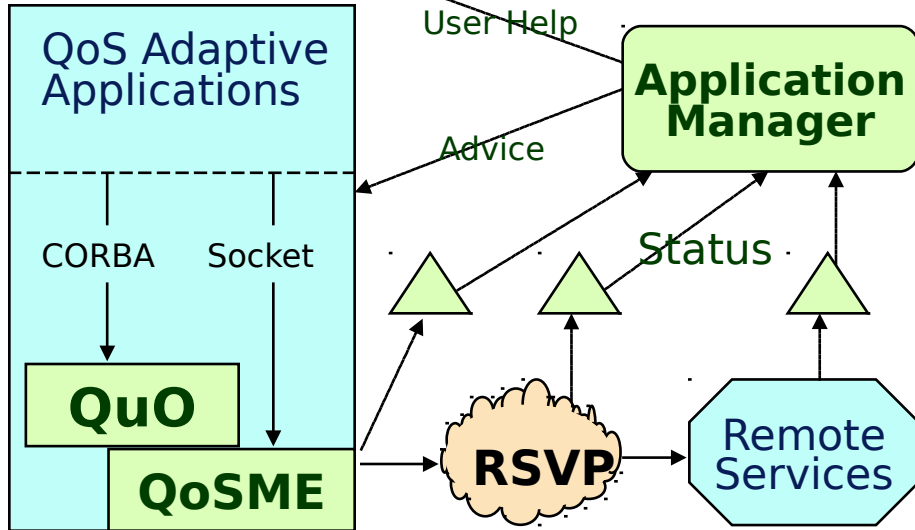


Dynamic Integrated Resource Management

QoS Adaptive Middleware

Collaborative Planning



New Ideas

Objective: **Middleware** allowing networks and applications to **mutually adapt** by:

- Developing CORBA and Socket **APIs** for **adapting to Quality of Service (QoS)**.
- Enabling CORBA applications to **reserve communication resources using RSVP**.
- Unifying **resource management for applications** over groups of users.

Schedule

QoSME over RSVP Demo

QoO over RSVP Demo

— 96 — 97 — 98 —

Application Manager Demo

Adaptive CORBA/RSVP Demo

Impact

- CORBA-based collaborative planning applications will be able to **control QoS delivered** by utilizing the RSVP standard.
- Planning applications will run over a **wider range** of resource-constrained networks
- Scarce communication resources will be allocated over groups of users yielding **higher group utility**.

BBN Technologies: J. Zinky, Columbia University: Y.

